WillisTowers Watson In I'll In It

February 8, 2017

Mr. Richard R. Schrubbe Director, Corporate and Benefits Accounting Xcel Energy Inc. 414 Nicollet Mall Minneapolis, MN 55401

Subject:

2017 Benefit Costs and 2018–2022 Benefit Cost Estimates

Dear Rick:

Attached are 2017 costs and 2018-2022 budget estimates based on the final year-end 2016 asset values and disclosure assumptions described in our February 3, 2017 letter. Workers Compensation and Long-Term Disability results are preliminary and will be finalized in May.

SUMMARY OF KEY RESULTS

The key changes from our forecast originally provided on May 13, 2016 are as follows:

Benefit Costs reflect final 2017 assumptions:

Discount rates decreased approximately 0.53%, on average, from the 4.66% average assumption used in the May 13, 2016 estimates to 4.13% at December 31, 2016.

Career average salary scale assumption decreased from 4.00% to 3.75%

Mortality assumption reflects additional data through 2014 which generally lowered the rate of mortality improvements

Contributions have been increased from \$125 million per year to \$150 million per year

- Actual 2016 pension asset returns were 6.06% compared to an expected return of 6.87% and actual retiree medical asset returns were 4.73% compared to an expected return of 5.80%.
- Participant data has been updated to reflect known status and pay changes through November 30, 2016, expected December 2016 retirements, and benefit distributions related to the 2016 deferred vested participant lump sum offering.

Benefit Cost Results (prior to regulatory deferrals)

Cost/(Income) (\$ in Millions)	2016 Actual	2017 Cost May 13, 2016 Estimate	2017 Cost February 8, 2017 ¹
Qualified Pension Plans ²	\$120.6	\$114.7	\$122.4
Nonqualified Pension Plans ³	7.9	6.2	6.8
Retiree Medical & Life Insurance Plan	(3.8)	(4.4)	(2.8)
Workers' Compensation	1.1	0.5	0.9
Long-Term Disability	(0.7)	0.6	<u>1.0</u>
Total	\$125.1	\$117.6	\$128.3
Discount Rate	4.34%-4.73%	4.34%-4.73%	3.95%-4.25%

¹ Workers Compensation and Long-Term Disability costs are preliminary, final results will be provided in May.

Suite 1700 8400 Normandale Lake Boulevard Minneapolis, MN 55437

T+1 952 842 7000 F +1 952 842 7001 W willistowerswatson.com

² Qualified Pension Plan costs reflect the assumption that NSP-MN and Xcel Energy Nuclear costs are determined under the Aggregate Cost Compensation Method. No additional regulatory deferrals have been reflected. See Exhibit VII for additional details.

³ Includes 2016 settlement charge related to Mr. Connelly's payments and anticipated 2017 settlement charge related to expected payments of \$3.0 million.

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The following provides a reconciliation of cost (prior to regulatory deferrals) between the estimated 2016 cost provided in our May 13, 2016 letter, the 2017 budget estimates provided in our December 6, 2016 PTAC presentation and the 2017 costs provided in this letter (\$ in millions):

BARRIER WAR TO A SER	Qualified Pension ¹	Non- qualified Pension ⁷	Retiree Medical	Workers' Compen- sation	Long Term Disability	Total
Initial 2017 Estimate (May 13, 2016)	\$114.7	\$6.2	(\$4.4)	\$0.5	\$0.6	\$117.6
Estimated demographic experience ²	1.9	0.6	0.4	0.0	0.0	2.9
Decrease salary increase assumption ³	(3.4)	(0.1)	0.0	0.0	0.0	(3.5)
Extend "greater-of" for NSP bargaining contract	0.3	0.0	0.0	0.0	0.0	0.3
Mortality assumption	(2.9)	(0.1)	(0.6)	0.0	0.0	(3.6)
Updated retiree claims and participant contributions ⁴	0.0	0.0	1.3	0.0	0.0	1.3
Discount rates ⁵	9.8	0.1	0.9	0.5	0.5	11.8
Estimated 2016 asset performance ⁶	2.2	0.0	(0.3)	0.0	0.0	1.9
Pension contributions increased from \$125M to \$150M	(1.0)	0.0	0.0	0.0	0.0	(1.0)
Updated 2017 Estimate (December 6, 2016)	\$121.6	\$6.7	(\$2.7)	\$1.0	\$1.1	\$127.7
Final demographic experience8	3.5	0.1	(0.2)	0.0	0.0	3.4
Final discount rates	(1.0)	0.0	(0.1)	(0.1)	(0.1)	(1.3)
Final asset returns	(1.7)	0.0	0.2	0.0	0.0	(1.5)
2017 Costs (February 6, 2017)	\$122.4	\$6.8	(\$2.8)	\$0.9	\$1.0	\$128.3

Qualified Pension results reflect the assumption that NSP-MN costs and Xcel Energy Nuclear costs are determined under the Aggregate Cost Compensation Method. No additional regulatory deferrals have been reflected.

Estimated impact of updated participant status and compensation data through September 30, 2016, with the primary factors being fewer deaths than expected and 2016 compensation approximately 0.4% larger than expected.

Increase assumptions reduced by 0.25% at each age for nonbargaining participants and each service increment for bargaining participants.

Per capita claims cost increased 5.8% (8.2% pre-65, 5.2% post-65) versus expected increase of 6.0%. Expected Medicare Part D reimbursement for eligible retirees decreased 4.0% versus expected increase of 6.0%, increasing costs by \$0.8 million. Also reflects 1.0% increase versus 6.0% expected increase in PSCo retiree premiums due to bargaining contract methodology (\$0.5 million

December 31, 2016 discount rates assumed to be equal to the discount rates from Willis Towers Watson BOND:Link model results as of October 31, 2016 plus 25 basis points for approximate month to date rate movement in November. Bond model excludes collateralized bonds.

Estimate assumes year-end asset values equal estimated November 18, 2016 values for pension and October 31, 2016 values with adjustments for two months of estimated disbursements and contributions for VEBA, which produce full year 2016 returns of approximately 5% for pension and 5% for VEBA. VEBA asset performance also includes impact of lower than expected benefit payments, which increases the estimated year-end asset value and decreases estimated 2017 benefit cost.

Includes 2017 anticipated settlement charge of \$1.4 million related to expected payments of \$3.0 million.

⁸ Impact of updated participant status and compensation data through November 30, 2016, final benefit payment experience, and the transfer of participants between XEPP and NCE.

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Results Exhibits

Benefit cost results are summarized by legal entity and presented in the attached exhibits as follows:

- Exhibit I: Benefit Cost Estimates Qualified Pension Plans
- Exhibit II: Benefit Cost Estimates Nonqualified Pension Plans
- Exhibit III: Benefit Cost Estimates Retiree Medical and Life Insurance Plan
- Exhibit IV: Liabilities LTD and Workers Compensation
- Exhibit V: Claims and Expenses LTD and Workers Compensation
- Exhibit VI: Benefit Cost Estimates LTD and Workers Compensation
- Exhibit VII: Benefit Cost Reconciliation Details Qualified Pension Plans

Plans Valued

The attached exhibits include results for the following employee benefit plans maintained by Xcel Energy Inc. (Xcel Energy):

- Xcel Energy Pension Plan
- Xcel Energy Inc. Nonbargaining Pension Plan (South) [NCE Nonbargaining Plan]
- New Century Energies Inc. Retirement Plan for SPS Bargaining Unit Employees and Former Nonbargaining Unit Employees [SPS Bargaining Plan]
- New Century Energies Inc. Retirement Plan for PSCo Bargaining Unit Employees and Former Nonbargaining Unit Employees [PSCo Bargaining Plan]
- Xcel Energy Nonqualified Defined Benefit Plan, including:
 - Xcel Energy SERP
 - SPS SERP
 - Employment Agreements
 - Fort St. Vrain Nuclear Operations Personnel Plan
 - NMC SERP Part A
- Xcel Energy Retiree Medical and Life Insurance Plan (including Executive Life Insurance)
- Xcel Energy Workers' Compensation
- Xcel Energy Long-Term Disability (LTD) Income

DATA, ASSUMPTIONS, METHODS AND PLAN PROVISIONS

The fiscal 2017 costs and estimated 2018-2022 costs reflect the following data, assumptions, methods and plan provisions:

Data

Results for 2017-2022 are based on participant data as of January 1, 2016 projected to the end of the year based on status, compensation and benefit changes through November 30, 2016, known retirements for December 2016, and benefit distributions related to the 2016 deferred vested participant lump sum offering. Actual new entrants through November 30, 2016 and expected new entrants through December 31, 2016 are included.

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Economic Assumptions

The key assumptions used to determine the actual 2017 and estimated 2018 - 2022 benefit cost results are provided below. The assumptions used to calculate the cost under the aggregate funding method are the same as used to prepare the ASC 715 results, except as noted. Actual asset returns are assumed to equal the expected return on assets assumptions throughout the forecast period. The following primary economic assumptions were used to prepare the results:

	2016 Cost	2017 Estimate (December 6, 2016)	2017 Cost
Benefit Cost			
Discount Rate – ASC 715			
 Xcel Energy Pension Plan 	4.64%	4.06%	4.11%
 NCE Nonbargaining Pension Plan 	4.48%	3.85%	3.97%
- SPS Bargaining Pension Plan	4.73%	4.21%	4.25%
PSCo Bargaining Pension Plan	4.71%	4.16%	4.21%
 Nonqualified Pension Plan 	4.34%	3.86%	3.99%
Retiree Medical and Life Insurance Plan	4.65%	4.05%	4.13%
 Workers Compensation and LTD 	4.39%	3.84%	3.95%
Expected Return on Assets Assumption – Pension			
Xcel Energy Pension Plan	7.10%	7.10%	7.10%
NCE Nonbargaining Pension Plan	6.90%	6.90%	6.90%
SPS Bargaining Pension Plan	6.75%	6.75%	6.75%
PSCo Bargaining Pension Plan	6.50%	6.50%	6.50%
Weighted Average Expected Return	6.87%	6.87%	6.87%
Expected Return on Assets Assumption – VEBA	5.80%	5.80%	5.80%
Discount Rate - Aggregate Cost	7.10%	7.10%	7.10%
Salary Scale	4.00%	3.75%	3.75%
Initial Medical Trend	6.00%	5.50%	5.50%
Ultimate Medical Trend	4.50%	4.50%	4.50%
Year Ultimate Trend is Reached	2019	2019	2019

[■] The interest rate for converting lump sums to annuities and annuities to lump sums was updated from 4.25% to 4.00% in all years. The pre-PPA lump sum conversion interest rate was updated from 3.25% to 3.00%.

The HRA trend assumption remains at 2.0%.

[■] The interest crediting rate for the 5% cash balance formula was updated form 3.25% to 3.00%. The interest crediting rate for the Retirement Spending Account was updated from 1.50% to 1.75%.

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Pension Contributions

The forecasts reflect actual 2017 contributions of \$150 million made on January 3, 2017 and planned contributions provided by Xcel Energy for 2018 through 2022. The table below summarizes the amounts assigned to each plan over the forecast period:

A STATE OF THE PARTY OF THE PAR	100600			Year			
		2017	2018	2019	2020	2021	2022
Xcel Energy Pension Plan	\$	110.0	\$ 110.0	\$ 95.0	\$ 95.0	\$ 80.0	\$ 45.0
NCE Nonbargaining Plan		10.0	10.0	20.0	20.0	15.0	15.0
SPS Bargaining Plan		20.0	15.0	15.0	10.0	10.0	7.0
PSCo Bargaining Plan		10.0	15.0	20.0	25.0	45.0	83.0
Total Contribution	\$	150.0	\$ 150.0	\$ 150.0	\$ 150.0	\$ 150.0	\$ 150.0

 Contributions in 2018 and beyond are assumed to be paid on January 15th and assigned to the prior plan year.

Demographic Assumptions

- Participant counts from January 1, 2016 were adjusted for actual new entrant counts through November 30, 2016, expected new entrants through December 31, 2016, terminations/retirements, and benefit distributions related to the 2016 deferred vested participant lump sum offering as described above under Data. No additional changes in headcount levels are assumed.
- The career average salary scale assumption decreased from 4.00% to 3.75%.
- Mortality assumption reflects additional data through 2014 which generally lowered the rate of mortality improvements

Retiree Medical and Life Insurance Plan – Effects of Health Care Reform

Our estimates continue to assume the same effects as noted in our 2016 ASC 715 cost report dated April, 2016.

Plan Changes

PPA "greater-of" was extended for NSP bargaining terminations and retirements prior to December 31, 2019

All other plan provisions remain the same as provided in our 2016 benefit cost reports dated April 27, 2016.

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ACTUARIAL CERTIFICATION

As requested by Xcel Energy Inc., this report provides results of the actuarial valuations of the Xcel Energy Inc. employee benefit plans indicated above. This report should not be used for other purposes, distributed to others outside Xcel Energy Inc. or relied upon by any other person without prior written consent from Towers Watson Delaware Inc. Except where we expressly agree in writing, this report should not be disclosed or provided to any third party, other than as provided below. In the absence of such consent and an express assumption of responsibility, no responsibility whatsoever is accepted by us for any consequences arising from any third party relying on this report or any advice relating to its contents.

Xcel Energy Inc. may make a copy of this report available to auditors or appropriate governmental agencies of the plan or the plan sponsor, but we make no representation as to the suitability of this report for any purpose other than that for which it was originally provided and accept no responsibility or liability to the auditors in this regard. Xcel Energy Inc. should draw the provisions of this paragraph to the attention of the auditors or appropriate governmental agencies when providing this report to them.

In preparing this valuation, we have relied upon information and data provided to us by Xcel Energy Inc. and other persons or organizations designated by Xcel Energy Inc. An audit of the financial and participant data provided was not performed, but we have checked the data for reasonableness as appropriate based on the purpose of the valuation. The results presented in this report are directly dependent upon the accuracy and completeness of the underlying data and information. Any material inaccuracy in the data, assets, plan provisions or other information provided to us may have produced results that are not suitable for the purposes of this report and such inaccuracies, as corrected by Xcel Energy Inc., may produce materially different results that could require that a revised report be issued.

This valuation reflects our understanding of the relevant provisions of the Pension Protection Act of 2006. The IRS has yet to issue final guidance with respect to certain aspects of this law. It is possible that such guidance may conflict with our understanding of the law and could therefore affect results shown in this report.

The results summarized in this report involve actuarial calculations that require assumptions about future events. We believe the assumptions and methods used in this report are reasonable and appropriate for the purposes for which they have been used. In our opinion, all methods, assumptions and calculations are in accordance with requirements of the Internal Revenue Code and ERISA, and the applicable financial accounting standards, including ASC 712 and 715 and the procedures followed and presentation of results are in conformity with generally accepted actuarial principles and practices.

Assumptions for determining benefit cost results were selected by Xcel Energy Inc. Xcel Energy Inc. uses the standards set out in ASC 715 to calculate pension cost for each plan in total; pension cost for the subsidiaries is calculated based on plan assets allocated to each subsidiary in proportion to the PBO for each subsidiary. Beginning in fiscal 2010, Discontinued Operations is allocated assets in proportion to its PBO, similar to nondiscontinued operations. The gain/(loss) amortization is allocated to each subsidiary in proportion to the gain/(loss) balance for each subsidiary (excluding deferred asset gains and losses). This methodology is consistent with former NSP's methodology since 1998 and has been applied to the former NCE pension plans since January 1, 2001. A similar methodology is used for the ASC 715 costs for the Retiree Medical and Life Plan, except separate asset accounts are used for each subsidiary.

Except as otherwise provided herein, the results presented are based on the data, assumptions, methods and plan provisions outlined in the actuarial valuation reports to determine accounting requirements for the plan for the plan year ending December 31, 2017 and beginning January 1, 2017 to be delivered in the next few weeks. Therefore, the descriptions of the data, assumptions, methods, plan provisions and limitations of the valuation and its use should be considered part of this letter report.

WillisTowers Watson In In Inc.

Mr. Richard R. Schrubbe February 8, 2017

The undersigned consultants with actuarial credentials meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. Our objectivity is not impaired by any relationship between the Xcel Energy Inc. and our employer, Towers Watson Delaware Inc., a subsidiary of Willis Towers Watson PLC.

NEXT STEPS

If you have any questions or would like to discuss, please contact Jim at 952-842-6354 or Mark at 952-842-6445.

Sincerely,

James W. Shaddy, ASA Consulting Actuary

CC: Todd Degrugillier, Xcel Energy Inc.
Darla Figoli, Xcel Energy Inc.
Levi Glines, Xcel Energy Inc.
Kris Lindemann, Xcel Energy Inc.
Ruth Lowenthal, Xcel Energy Inc.
Garret Mikrut, Xcel Energy Inc.
Jill Reed, Xcel Energy Inc.
Debbie Robin, Xcel Energy Inc.
Jeff Savage, Xcel Energy Inc.

Consulting Actuary

Mark A. Afdahl, FSA

Tack afolished

Brian Van Abel, Xcel Energy Inc.
Greg Zick, Xcel Energy Inc.
Ross Athman, Willis Towers Watson
Mark Bilderback, Willis Towers Watson
Beth Fernandez, Willis Towers Watson
Kristoff Hendrickson, Willis Towers Watson
Scott Lund, Willis Towers Watson
Tyler Tanck, Willis Towers Watson

XCEL ENERGY INC. - Qualified Pension Plans Benefit Cost by Legal Entity (\$ in Thousands)

				Amor	Amortizations						
			Original Dating Original Comity	oring S roin	A		Aggregate Cost Compensation	Aggregate Cost 20-year Amortization	January 1 Prepaid		
2018	Service	Interest Cost	on Assets	Cost	(Gain)/Loss	Net Cost	Method	Method	(Accrued)	Contribution	PBO
Xcel Energy Pension Plan (XEPP)					200	2 073	N/A	₹.Z	39,964	4,354	75,131
Discontinued Operations ⁴	•	2,984	(4,546)		0,000	2,0,2	244	3 908	(8.184)	5.926	102.271
Xcel Fnerav Nuclear	6,400		(6,192)	44	621	4.936	0.4.00	25.944	389 002	52,803	911.223
NOD - MN	20,900	35,780	(54,441)	1,016	37,314	40,569	30,42	+16,02	55,000	9.047	156 133
100 COM	4.583		(9,414)	138	5,605	7,093	K/Z	4	20,000	000 20	853.004
NOT I VI	24.140		(39,397)	245	14,872	25,722	N/A	Y.Z.	104,285	800,70	100,000 100,000
Xcel Services-			(33)		(£)	(12)	N/A	NA	(100)	100000	100 000
XEPC (former EMI) Total XEPP	56,023	74,8	(114,023)	1,443	62,046	80,381	33,842	28,822	280,090	110,000	1,898,293
NCE Non-Bargaining Pension Plan		,	f		08	66	N/A	AN	1,674	134	3,870
Discontinued Operations - Cheyenne	ı		(717)		600	200 K	N/A	A/A	18,201	6,888	199,658
PSCo	4,508		(11,196)	-	3,892	170,4	NA	A/N	27.217	2,978	86,314
200	2.821	3.286	(4,829)		3,064	4,342	CA	*****	000	00000	280 842
Total NCE	7,329		(16,242)	~	7,125	9,262	NA	K Z	41,092	000	20,002
SPS Bargaining Plan	0		(03 662)	,	9 469	8.962	N/A	NA	125,377	15,000	398,255
SPS Total SPS	969'9	16,479	(23,682)	i	9,469	8,962	N/A	N/A	125,377	15,000	398,255
PSCo Bargaining Plan		,	Total Control		450	34.5	AX	N/N	6,370	153	10,820
Discontinued Operations - Cheyenne	1 00	43/	(5/2)	(3 212)	24.226	30,394	N/A	NA	259,359	14,847	1,052,414
PSCO	22,00		(57,031)	(3,212)	24,676	30,709	N/A	NA	265,729	15,000	1,063,234
otal Poco								000	000 000	150 000	3 649 624
Total Xcel Energy	92,909	145,835	(210,978)	(1,768)	103,316	129,314	33,842	770'07	007,010,1		

¹ Includes NRG, BMG, Viking, Natro Gas, Utility Engineering, Seren, Quixx, Crockett and QPS

7.10% 6.90% 6.75% 6.50% 4.11% 3.97% 4.25% 4.21% 7.10% 3.75% Discount Rate - Aggregate Normal Cost Assumptions
Discount Rate - U.S. GAAP
XEPP
NCE
SPS Salary Scale Expected Return on Assets XEPP NCE SPS PSCo PSCo

² Includes Eloigne

Bargaining Participants RP-2014 Blue Collar projected with generational mortality improvements using an adjusted SOA MP-2016 methodology Non-bargaining Participants RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.

XCEL ENERGY INC. - Qualified Pension Plans Benefit Cost by Legal Entity (\$ in Thousands)

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				Amo	Amortizations						
	,		Control of the contro	O romo	*oN		Aggregate Cost	Aggregate Cost 20-year Amortization	January 1 Prepaid		
202	Service	Interest Cost		Cost	(Gain)/Loss	Net Cost	Method	Method	(Accrued)	Contribution	PBO
Yeal Energy Pension Plan (XEPP)								*****	0.00	000	73 008
Districtional Operations		2 899		1	3,577	1,938	A/N	N/A	647,240	000,0	000,000
Usconunuea Operanoris	6 193		(6.577)	44	510	4,372	3,479	3,035	(7,194)	5,363	106,020
Xcel Energy Nuclear	20,10	24 752		1.016	35.720	37,805	29,106	25,388	401,236	44,86/	887,000
NSP - MS	00,04			138	5.347	6.572	NA	AN	27,077	7,869	155,572
NSP - WI	4,042			200	14 243	23.385	N/A	AN	116,402	33,181	655,975
Xcel Services ²	23,509	116,62		24	1	(11)	N/N	NA	(22)	27	533
XEPC (former EMI) Total XEPP	54,940	0 73,978	(115,	1,443	59,398	74,061	32,585	28,423	609,709	95,000	1,878,108
NCE Non-Bargaining Pension Plan						0	57	AVIN	1 709	260	3.711
Discontinued Operations - Cheyenne	(2)	141			40	200	(A)	VIV	20.288	13.753	196,192
0000	4.307	7.458		~	3,827	4,083	K Z	(2)	20,202	0000	00 400
	2728			1	2,858	3,818	N/A	NA	508'07	108.0	604,00
Total NCE	7,035	ľ	(16,748)	**	6,849	7,988	NA	NA	47,830	20,000	21.5,582
SPS Bargaining Plan	1				200	7 875	N/A	A'N	131,415	15,000	400,497
SPS	6,622	76,563	(24,495)		9.125	7,815	N/A	N/A	131,415	15,000	400,497
Total SPS	20,0										
PSCo Bargaining Plan					426	310	A/N	AN	6,208	194	10,373
Discontinued Operations - Cheyenne	E.		(544)		C	30 324	A/N	AN	243.812	19,806	1,057,081
PSCo	23,286	36 43,149				170,00	VIIV	d/N	250.020	20 000	1.067.454
Total PSCo	23,286	36 43,567		(3,212)	23,857	30,634	4		22,027		
Total Brown	91.883	83 144.959	(213,805)	(1,768)	99,229	120,498	32,585	28,423	1,038,974	150,000	3,631,371
lotal Acel Effergy											

 $^{^{\}rm 1}$ Includes NRG, BMG, Viking, Natro Gas, Utility Engineering, Seren, Quixx, Crockett and QPS $^{\rm 2}$ Includes Eloigne

4.11% 3.97% 4.25% 4.21% 7.10% 3.75% 7.10% 6.90% 6.75% 6.50% Discount Rate - Aggregate Normal Cost Salary Scale Expected Return on Assets XEPP NCE SPS Assumptions Discount Rate - U.S. GAAP XEPP NCE SPS PSCo

PSCo

RP-2014 Blue Collar projected with generational mortality improvements using an adjusted SOA MP-2016 methodology
Non-bargaining Participants
Non-bargaining Participants
RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology
See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.
Contributions are allocated based on PBO for each legal entity.

XCEL ENERGY INC. - Qualified Pension Plans Benefit Cost by Legal Entity (\$ in Thousands)

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				Amo	Amortizations						
	,			O roing	Not		Aggregate Cost	Aggregate Cost 20-vear Amortization	January 1 Prepaid		
2020	Service	Interest Cost	Expected Re on Assets	Cost	(Gain)/Loss	Net Cost	Method	Method	(Accrued)	Contribution	PBO
Yeal Energy Pension Plan (XEPP)							****	VIIN	000 88	3 630	70 947
Discontinued Operations?	•	2.822	(4.542)	i	3,517	1,797	N/A	KZ	000,44	000	300 000
Uscarillinea Operations	5 993		(6,953)	44	424	3,828	3,501	3,133	(6,203)	180,0	000 030
Acel Ellergy Induced	10 730	٠	(54 105)	1.016	34,168	34,467	27,627	24,723	408,298	44,111	208,800
NSP - MN	2,1,0		(002 6)	138	5.123	5,910	A/N	AZ	58,374	7,870	153,431
NSP - WI	4,010	•	(41.840)	245	13.694	21,036	NA	AN	126,198	33,762	658,228
Xcel Services ²	42,934		(DE), (T)	9	er.	(10)	NA	NA	(19)	27	527
XEPC (former EMI) Total XEPP	52,984	72,846	(117,174)	1,443	56,929	67,028	31,128	27,856	630,648	95,000	1,852,118
NCE Non-Bargaining Pension Plan					9	75	N/A	A Z	1,882	254	3,547
Discontinued Operations - Cheyenne	1			,	100	00000	N/A	N/A	29.938	13,699	191,363
PSCo	4,140				3,775	0000	S N	A/N	28.022	6,047	84,469
202	2,626	3,208			2,687	3,230	CAL	4314	040	000 00	279 379
Total NCE	992'9	10,631	(17,318)	٢	6,622	6,702	NA	Y N	28,042	000,00	
SPS Bargaining Plan			200.00)	8 797	8969	N.A.	NA	138,600	10,000	402,214
SPS Total SPS	6,491	16,621	(24,941)	1	8,797	896'9	N/A	N/A	138,600	10,000	402,214
PSCo Bargaining Plan				ā	ADE	307	A/N	A/N	6,092	232	9,927
Discontinued Operations - Cheyenne	1 00	400	(56.188)	(2,650)	22.958	31,077	N/A	N/A	233,294	24,768	1,061,206
PSCo Total PSCo	23,663		(56,706)	(2,650)	23,383	31,384	N/A	NA	239,386	25,000	551,1/0,1
	89 904	143 792	(216.139)	(1,206)	95,731	112,082	31,128	27,856	1,068,476	150,000	3,604,844
otal Acel Energy											

¹ Includes NRG, BMG, Viking, Natro Gas, Utility Engineering, Seren, Quixx, Crockett and QPS ² Includes Eloigne

	4.11%	3.97%	4.25%	4.21%	7.10%	3.75%		7.10%	6.90%	6.75%	6.50%
Assumptions Discount Rate - 1/S, GAAP	XEPP	HCN HCN	S	PSCO	Discount Rate - Addregate Normal Cost	Salary Scale	Expected Return on Assets	ddix	I CZ	1 000	PSCo

Bargaining Participants RP-2014 Blue Collar projected with generational mortality improvements using an adjusted SOA MP-2016 methodology Non-bargaining Participants RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.

EXHIBIT II Page 2 of 6

			,	Amortizations	ations				
0000	Service Cost Interest Cost	Interest Cost	Expected Return on Assets	Prior Service Cost	Net (Gain)/Loss	FAS 88 Settlement ⁴	Net Cost	January 1 Prepaid (Accrued)	Expected Benefit Payments
Continued Organization		50	,		(45)	1	(16)	(1,233)	88
Visit Engrav Nijologi	ac ac	49	1	٠	15	٠	152	(1,144)	138
Acel Energy Indices	S 40	150	,	ı	370	1	554	(524)	802
NIN LON	77	30			14		61	(634)	73
NOT - WI	2 7	7	,	,	370	٠	549	77	466
PSCo-	4 6	08		,	160	1	273	(802)	319
070 070	828	17 0	,	227	1.052	,	3,225	(18,558)	3,714
Acel Services	070	2 .			(3)	,	(3)	(30)	*
Total Xcel Energy	1,022	1,613		227	1,933	•	4,795	(22,851)	5,401

¹ Includes NRG, BMG, Viking, Natrogas, Quixx, Seren and UE

Assumptions

3.99%	1
Discount Rate	

RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology Estimates reflect a 5% load on the projected liabilities to reflect the potential for demographic experience that is less favorable than expected. Assumed Mortality Table Salary Scale

² Includes Fort St. Vrain

³ Includes Eloigne

^{*}Settlement accounting may be required if actual lump sum benefit payments exceed the sum of service cost and interest cost. No settlements have been estimated at this time.

See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.

XCEL ENERGY INC. - Nonqualified Pension Plans Benefit Cost by Legal Entity (\$ in Thousands)

				Amortizations	ations				
			Expected Return	Prior Service	Net	FAS 88		January 1 Prepaid	Expected Benefit
2019	Service Cost Interest Cost	Interest Cost			(Gain)/Loss	Settlement ⁴	Net Cost	(Accrued)	Payments
Discontinued Operations		27	,	3	(40)		(13)	(1,128)	88
Xoel Energy Ninclear	91	20	3	3	13		154	(1,158)	88
NSP - MN	26	142	1		326		494	(476)	542
IVA - IVI	18	28	1	7	12	ï	58	(622)	70
DCC 2	43	126	j	и	327	,	496	(9)	440
200	70	82	à	a	141	•	247	(759)	298
Vool Continues	859	1 047	ì	133	921	•	2,960	(18,069)	3,383
XEPC (former EMI)	3 ,		1	r	(3)	ŧ	(3)	(27)	
Total Xcel Energy	1,061	1,502	,	133	1,697	٠	4,393	(22,245)	4,907

¹Includes NRG, BMG, Viking, Natrogas, Quixx, Seren and UE

Assumptions

Discount Rate

Salary Scale

3.99%

RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology Estimates reflect a 5% load on the projected liabilities to reflect the potential for demographic experience that is less favorable than expected. Assumed Mortality Table

See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.

² Includes Fort St. Vrain

³ Includes Eloigne

^{*}Settlement accounting may be required if actual lump sum benefit payments exceed the sum of service cost and interest cost. No settlements have been estimated at this time.

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XCEL ENERGY INC. - Nonqualified Pension Plans Benefit Cost by Legal Entity (\$ in Thousands)

EXHIBIT II Page 4 of 6

				Amortizations	ations				
0000	Service Cost Interest Cost	Interest Cost	Expected Return on Assets	Prior Service Cost	Net (Gain)/Loss	FAS 88 Settlement*	Net Cost	January 1 Prepaid (Accrued)	Expected Benefit Payments
0.000		20	2		(36)		(12)	(1,029)	83
Discontinued Operations	. 2	4 0	. 1		11	,	155	(1,224)	173
Xcel Energy Nuclear	94	00 707	.)		287	,	441	(428)	484
NSP - MSN	77	72		()	1	,	57	(610)	84
NSP - WI	<u> </u>	22 2			580		449	(62)	420
PSCo*	45	27		. 0	124		223	(708)	301
SPS	62 50	4 90		133	808	1	2.796	(17,646)	4,230
Xcel Services	- A	000 1		2 ,	(2)		(2)	(24)	
Total Xcel Energy	1,101	1,383		133	1,490	*	4,107	(21,731)	5,775

¹ Includes NRG, BMG, Viking, Natrogas, Quixx, Seren and UE

Assumptions

Discount Rate

Salary Scale

RP-2014 White Collar, as adjusted for 2014 Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology Estimates reflect a 5% load on the projected liabilities to reflect the potential for demographic experience that is less favorable than expected. Assumed Mortality Table

See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions.

² Includes Fort St. Vrain

³ Includes Eloigne

^{*}Settlement accounting may be required if actual lump sum benefit payments exceed the sum of service cost and interest cost. No settlements have been estimated at this time.

XCEL ENERGY INC. - Postretirement Benefits Benefit Cost by Legal Entity (\$ in Thousands)

EXHIBIT III Page 2 of 6

				Amortizations	Suc			
			Expected Return	Prior Service	Net	al	January 1 Prepaid	
2018	Service Cost	Interest Cost	on Assets	Cost	(Gain)/Loss	Net Cost	(Accrued)	Contribution
Discontinued Operations	1	329	(63)	(104)	135	267	(4,512)	707
Xoel Eperov Nicies	14	34		49	(14)	83	(716)	17
NSG LINGS COOK	120	3,201	(227)	(3,085)	1,965	1,974	(53,740)	7,768
W. Park	29	559	(33)	(351)	418	622	(6,989)	1,289
500	659	16,187	(21,343)	(6,178)	3,705	(0,970)	29,173	
N 00 00	860	1,639	(2,299)	(404)	(280)	(784)	(13,948)	ı
Xcel Services ³	42	1,145	(30)	(557)	838	1,438	(13,326)	1,630
XEPC (former EMI)		-		-	(4)	(2)	(114)	ဖ
Total Xcel Energy	1,724	23,095	(24,025)	(10,629)	6,463	(3,372)	(64,172)	11,417

Includes NRG, BMG, Viking, Natrogas, Cheyenne, Quixx and UE.

³ includes Executive Life Insurance benefits.

4.13% 5.80%	5.50% 4.50% 2019 RPH-2014 Blue Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA
Assumptions Discount Rate Expected Return on Assets	Medical Trend Initial (2017) Ultimate Year Ultimate Reached Assumed Mortality Table Bargaining:

MP-2016 methodology.

Contributions for PSCo and SPS are assumed equal to the net cost, but not less than zero. Contributions for other legal entities are assumed equal to the expected benefit payments. See February 8, 2017 letter for additional information on data, assumptions, methods, and plan provisions.

RPH-2014 White Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA

MP-2016 methodology.

Non-bargaining:

²includes Eloigne and Seren.

XCEL ENERGY INC. - Postretirement Benefits Benefit Cost by Legal Entity (\$ in Thousands)

EXHIBIT III Page 3 of 6

	January 1 Prepaid	Net Cost (Accrued) Contribution	235 (4,072) 696	91 (782) 20	1,712 (47,946) 7,415	(6,322)		(818) (13,164)		_	(3.283) (49.383) 10.990
g	Net	(Gain)/Loss	130	(14)	1,889	401	3,567	(555)	804	(4)	8218
Amortizations	Prior Service	Cost	(110)	57	(3.075)	(351)	(5,399)	(466)	(565)		(0000)
	Expected Return	on Assets	(66)		(240)	(32)	(20.764)	(2.249)	(32)		(02 440)
		Interest Cost	314	35	3 0 28	531	15.599	1813	1 128	7	070.00
		Service Cost		43	, F	70	75.2	0 00	37	5	111111111111111111111111111111111111111
		2019 Service	Operations 1	Cool England Operations	Acel Erielgy Nuclear		NOT : VVI	2000		Acel services	TANK TO AND THE PARTY OF

Includes NRG, BMG, Viking, Natrogas, Cheyenne, Quixx and UE.

²Includes Eloigne and Seren.

3Includes Executive Life Insurance benefits.

	4.13%	5.80%
Assumptions	Discount Rate	Expected Return on Assets

5.50% Initial (2017) Medical Trend Ultimate

RPH-2014 Blue Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA 2019 Year Ultimate Reached Assumed Mortality Table

Non-bargaining:

Bargaining:

MP-2016 methodology. RPH-2016 methodology.
RPH-2014 White Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA MP-2016 methodology.

Contributions for PSCo and SPS are assumed equal to the net cost, but not less than zero. Contributions for other legal entities are assumed equal to the expected benefit payments. See February 8, 2017 letter for additional information on data, assumptions, methods, and plan provisions.

XCEL ENERGY INC. - Postretirement Benefits Benefit Cost by Legal Entity (\$ in Thousands)

EXHIBIT III Page 4 of 6

	Contribution	662	7 2002	202,1	8.7,	R.C.		1,513		10,619
	January 1 Prepaid (Accrued)	(3,611)	(853)	(42,243)	(2,637)	42,588	(12,346)	(12,911)	(81)	(35,110)
	Jan Net Cost	207	131	1,494	238	(2,090)	(745)	1,516	(3)	(1,952)
S	Net (Gain)/Loss	124	(13)	1,802	383	3,410	(528)	767	(4)	5,941
Amortizations	Prior Service Cost	(111)	92	(3,014)	(337)	(3,762)	(425)	(365)	i	(7,919)
	Expected Return on Assets	(105)	ì	(254)	(37)	(20,143)	(2,201)	(34)		(22,774)
	Interest Cost	299	37	2,858	504	14,977	1.588	1,113	-	21,377
	Service Cost		12	102	25	428	821	35		1,423
	0000	Discontinued Operations	Xcel Energy Nuclear	NSP - MN ²	NSD - VAI		S 000	Xcel Services	XFPC (former EMI)	Total Xcel Energy

'Includes NRG, BMG, Viking, Natrogas, Cheyenne, Quixx and UE.

²Includes Eloigne and Seren.

3Includes Executive Life Insurance benefits.

4.13% 5.80% Expected Return on Assets Assumptions Discount Rate

Initial (2017) Medical Trend Ultimate

RPH-2014 Blue Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA 5.50% 2019 Year Ultimate Reached Assumed Mortality Table Bargaining:

MP-2016 methodology. RPH-2014 White Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA RPH-2014 White Collar headcount-weighted table adjusted for Xcel Energy mortality study, projected with generational mortality improvements using an adjusted SOA Non-bargaining:

Contributions for PSCo and SPS are assumed equal to the net cost, but not less than zero. Contributions for other legal entities are assumed equal to the expected benefit payments. See February 8, 2017 letter for additional information on data, assumptions, methods, and plan provisions. MP-2016 methodology.

XCEL ENERGY INC. - LTD and Workers' Compensation Benefit Cost Estimates by Legal Entity (\$ in Thousands)

2022 Budget	3.95%	261	269	25	ï	321	3.95%	- (225	46	22	· σ	-	ω ,	327	648
2021 Budget B	3.95%	283	292	54	ı	346	3.95%	a	240	51	28	4	~	ا د کا	360	202
2020 Budget	3.95%	304	313	55	1	368	3.95%	N	20	53	35	16	7	ω ,	392	260
2019 Budget	3.95%	325	334	28	æ	392	3.95%	n	21 270	56	49	22	T=	0 -	432	824
2018 Budget	3.95%	448	457	75	ı	532	3.95%	4	23	29	99	27	2	12	478	1,010
2017 Budget	3.95%	741	766	155	ı	921	3.95%	7	50	134	122	45	က	23	1,026	1,947
2016 Actual	4.46%	1,162	1,047	O	ī	1,056	4.46%	172	(80)	58	302	(9)	55	(557)	(735)	321
Fiscal Year Ending	Discount Rate- Workers' Compensation	Former NSP - Workers' Compensation ¹ MN/SD MIAMI	Subtotal	Former NCE - Workers' Compensation ¹ Colorado - PSCo	Deductible States - Workers' Compensation Deductible States - SPS (KS, OK, NM, and TX)	Total Xcel Energy Workers' Compensation	Discount Rate - LTD Income	LTD Income Discontinued Operations - Cheyenne	Discontinued Operations ²	NSP-IMI NSP-IMI	PSCo		Lifility Engineering	XCel Services XFPC	Total Xcel Energy LTD Income	Total Xcel Energy ASC 712

Results for former NSP states include income replacement and medical benefits as well as reserve for bankrupt insurers.

Colorado results include reserve for bankrupt insurers. N

See February 8, 2017 letter for additional information on data, assumptions, methods, and plan provisions. Includes NRG, BMG, Viking and Natrogas.

Xcel Energy Inc. - Qualified Pension Plans

Benefit Cost Reconciliation Details

(\$ in Thousands)

			ASC 7151			NSP	NSP-MN & Xcel Energy Nuclear	y Nuclear
	XEPP	NCE	SPS	PSCo	Total	ASC 715 ¹	Aggregate Cost Compensation Method	Aggregate Cost 20-Year Amortization Method
Initial 2017 Estimate (May 13, 2016)	79,121	9,723	9,275	29,294	127,413	45,329	32,629	27,712
	7.52.0	517	199	(4 002)	2.391	1.472	989	663
Estimated demographic experience	(7,674)	(255)	(527)	(845)	(4 268)	(1,479)	(268)	(800)
Decrease salary increase assumption	(4,041)	(007)	(150)	(2:0)	744	547		80
Extend "greater-or" for NSP bargaining contract Mortality assumption	(1.063)	38	(574)	(1,672)	(3,271)	(089)		(270)
Mortality assumption	'	•	,	3	,	•	1	E
Updated retiree claims and participant contributions	6 573	2967	1,494	4,421	13,455	3,637	(3)	(4)
Discount rates	1 427	191	121	446	2,185	787	760	260
Estimated 2010 asset performance Pension contributions increased from \$125M to \$150M	(1,362)	•	(324)		(1,686)	(737)	•	
Updated 2017 Estimate (December 6, 2016)	85,476	11,181	9,664	30,642	136,963	48,876	33,562	27,941
Final demographic experience ⁷	3,097	(799)	333	(206)	2,125	943	2,18	(84)
Final discount rates	(552)	(219)	(115)	(406)	(1,292)	(293)		2 070
Final 2016 asset returns	(798)	(133)	(64)	(160)	(1,155)	(385)	(280)	5,0
2017 Costs (February 6, 2017)	87,223	10,030	9,818	29,570	136,641	49,141	34,862	28,909

¹ Does not include potential settlement charges.

² Estimated impact of updated participant status and compensation data through September 30, 2016, with the primary factors being fewer deaths than expected and 2016 compensation approximately 0.4% larger than expected

³ Increase assumptions reduced by 0.25% at each age for nonbargaining participants and each service increment for bargaining participants.

reimbursement for eligible retirees decreased 4.0% versus expected increase of 6.0%, increasing costs by \$0.8 million. Also reflects 1.0% increase versus 6.0% expected increase in PSCo retiree premiums due to bargaining contract methodology (\$0.5 million ⁴ Per capita claims cost increased 5.8% (8.2% pre-65, 5.2% post-65) versus expected increase of 6.0%. Expected Medicare Part D increase)

⁵ December 31, 2016 discount rates assumed to be equal to the discount rates from Willis Towers Watson BOND:Link model results as of October 31, 2016 plus 25 basis points for approximate month to date rate movement in November. Bond model excludes collateralized bonds.

⁶ Estimate assumes year-end asset values equal estimated November 18, 2016 values, which produce full year 2016 returns of 5%. 7 Impact of updated participant status and compensation data through November 30, 2016, final benefit payment experience,

See February 8, 2017 letter for additional information on data, assumptions, methods and plan provisions. and the transfer of participants between XEPP and NCE.